

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G07C9/00 E05B65/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G07C E05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/038732 A1 (SUEYOSHI MASAHIKO ET AL) 27 February 2003 (2003-02-27) paragraph '0019! - paragraph '0026! figures -----	1-7
X	FR 2 814 188 A (SIEMENS AG) 22 March 2002 (2002-03-22) page 3, line 6 - line 24 page 5, line 11 - page 6, line 35 page 9, line 3 - line 30 figures 1-4 -----	1-7
A	EP 1 041 226 A (VALEO SECURITE HABITACLE) 4 October 2000 (2000-10-04) paragraph '0005! paragraph '0018! - paragraph '0021! figures ----- -/--	1,7

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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G document member of the same patent family

Date of the actual completion of the international search

4 January 2005

Date of mailing of the international search report

17/01/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001/028296 A1 (MASUDAYA HIDEKI) 11 October 2001 (2001-10-11) paragraph '0015! paragraph '0051! - paragraph '0074! figures 1-5 -----	1,7
A	US 6 429 768 B1 (FLICK KENNETH E) 6 August 2002 (2002-08-06) column 3, line 54 - column 4, line 64 column 6, line 43 - line 54 figures 1,3,4 -----	1,7

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2003038732	A1	27-02-2003	JP	2003020838 A	24-01-2003
FR 2814188	A	22-03-2002	DE	10045762 A1	25-04-2002
			FR	2814188 A1	22-03-2002
EP 1041226	A	04-10-2000	FR	2791728 A1	06-10-2000
			DE	60008445 D1	01-04-2004
			DE	60008445 T2	23-12-2004
			EP	1041226 A1	04-10-2000
			ES	2215575 T3	16-10-2004
			JP	2000314259 A	14-11-2000
			US	6765471 B1	20-07-2004
US 2001028296	A1	11-10-2001	JP	2001248340 A	14-09-2001
			DE	10109675 A1	20-09-2001
US 6429768	B1	06-08-2002	NONE		